International application No. PCT/SE 2004/000893

A. CLASSIFICATION OF SUBJECT MATTER IPC7: F16B 2/00, F16B 21/00, G21B 9/08 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC7: F16B, G12B, G21K Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched SE,DK,FI,NO classes as above Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPO-INTERNAL, WPI C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. US 4195414 A (R.RAYMOND G.ROBINSON), 1 April 1980 Α 1-12 (01.04.1980), whole document A GB 1200358 A (WARREN FASTENER CO ET AL), 1-12 29 July 1970 (29.07.1970), whole document A US 6036398 A (A.THEODOROU), 14 March 2000 1-12 (14.03.2000), whole document Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "A" document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international filing date document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other step when the document is taken alone special reason (as specified) document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination document referring to an oral disclosure, use, exhibition or other being obvious to a person skilled in the art document published prior to the international filing date but later than the priority date claimed "&" document member-of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 2 3 -09- 2004 20 Sept 2004 Name and mailing address of the ISA/ Authorized officer Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Ender Dag /itw Facsimile No. +46 8 666 02 86 Telephone No. +46 8 782 25 00

Information on patent family members

03/09/2004

International application No.

PCT/SE 2004/000893

US	4195414	A	01/04/1980	NONE		
GB	1200358	A	29/07/1970	AU AU DE FR US	432573 B 2729167 A 1625497 B 1544164 A 3354597 A	12/02/1973 27/03/1969 23/09/1971 31/10/1968 28/11/1967
US	6036398	A	14/03/2000	CA DE EP ES WO	2335543 A 69911611 D 1097307 A,B 2209459 T 9967541 A	29/12/1999 00/00/0000 09/05/2001 16/06/2004 29/12/1999

Form PCT/ISA/210 (patent family annex) (January 2004)

International application No. PCT/SE 2004/000893

		3L 20047 000833					
A. CLASSIFICATION OF SUBJECT MATTER							
IPC7: F16B 2/00, F16B 21/00, G12B 9/08 According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED							
Minimum documentation searched (classification system followed by classification symbols)							
IPC7: F16B, G12B, G21K							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
SE,DK,FI,NO classes as above							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)							
EPO-INTERNAL, WPI							
C. DOCUMENTS CONSIDERED TO BE RELEVANT							
Category* Citation of document, with indication, where ap	propriate, of the relevant pa	ssages Relevant to claim No.					
	US 4195414 A (R.RAYMOND G.ROBINSON), 1 April 1980 (01.04.1980), whole document						
	GB 1200358 A (WARREN FASTENER CO ET AL), 29 July 1970 (29.07.1970), whole document						
A US 6036398 A (A.THEODOROU), 14 (14.03.2000), whole documen	US 6036398 A (A.THEODOROU), 14 March 2000 (14.03.2000), whole document						
Further documents are listed in the continuation of Bo	x C. X See patent fa	mily annex.					
* Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand							
to be of particular relevance "E" earlier application or patent but published on or after the international filing date	considered novel or carr	elevance: the claimed invention cannot be not be considered to involve an inventive					
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		elevance: the claimed invention cannot be					
"O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than	considered to involve an inventive step when the document is combined with one or more other such documents, such combin being obvious to a person skilled in the art						
the priority date claimed "&" document member of the same patent family							
Date of the actual completion of the international search 16 November 2004	Date of mailing of the international search report 9 -12- 2004						
Name and mailing address of the ICA		***************************************					
Name and mailing address of the ISA/ Swedish Patent Office Authorized officer							
Box 5055, S-102 42 STOCKHOLM	Ender Dag /itw						
Facsimile No. +46 8 666 02 86 Telephone No. +46 8 782 25 00							

International application No. PCT/SE 2004/000893

Ì							
	US	4195414	A	01/04/1980	NONE		
•	GB	1200358	A	29/07/1970	AU AU DE FR US	432573 B 2729167 A 1625497 B 1544164 A 3354597 A	12/02/1973 27/03/1969 23/09/1971 31/10/1968 28/11/1967
•	US	6036398	A	14/03/2000	CA DE EP ES WO	2335543 A 69911611 D 1097307 A,B 2209459 T 9967541 A	29/12/1999 00/00/0000 09/05/2001 16/06/2004 29/12/1999